

U.S. Patent Application Serial No. 10/634,230
Reply to Office Action dated May 24, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A forming method using a thermal transfer printing sheet, comprising the steps of:
 - a step (S100) for forming a base material (10) using a resin;
 - a step (S300) for ~~partially~~ printing a thermal transfer printing sheet (21) to form a conduction film (24) on a surface of the formed base material (10), wherein the conduction film (24) includes a metallic conduction film (20) and an ink conduction film (22);
 - a step (S400) for heating a surface of the printed base material (10) and depressing ~~a part of the conduction film (24)~~ the ink conduction film (22) on the base material (10) and a part of the ~~lower~~ base material (10) underneath the ink conduction film (22) by thermal diffusion; and
 - a step (S500) for cooling the base material (10).
2. (Previously Presented) The method of claim 1, wherein said step (S100) is implemented using a resin of a polystyrene series or a resin of a polyvinylchloride series as a source material of the base material.
3. (Previously Presented) The method of claim 1, wherein in said step (S300), the thermal transfer printing sheet (21) is printed on the base material (10) based on a dry diffusion method.
4. (Previously Presented) The method of claim 1, wherein in said step (S400), a surface of the base material (10) is heated to a temperature of 130~200°C.
5. (Previously Presented) The method of claim 1, further comprising a step (S200) in which the formed base material (10) is transferred.

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6. (Previously Presented) The method of claim 5, wherein said step (S100) is implemented using a resin of a polystyrene series or a resin of a polyvinylchloride series as a source material of the base material.
7. (Previously Presented) The method of claim 5, wherein in said step (S200), the base material (10) is continuously transferred by a conveyor.
8. (Previously Presented) The method of claim 5, wherein in said step (S300), the thermal transfer printing sheet (21) is printed on the base material (10) based on a dry diffusion method.
9. (Previously Presented) The method of claim 5, wherein said step (S300) is implemented based on an interworking with the transfer of the base material (10).
10. (Previously Presented) The method of claim 5, wherein said step (S300) is implemented using a resin of a polystyrene series or a resin of a polyvinylchloride series as a source material of the base material.
11. (Cancelled)
12. (Previously Presented) The method of claim 10, wherein in said step (S200), the base material (10) is continuously transferred by a conveyor.
13. (Previously Presented) The method of claim 10, wherein in said step (S300), the thermal transfer printing sheet (21) is printed on the base material (10) based on a dry diffusion method.
14. (Previously Presented) The method of claim 10, wherein in said step (S400), a surface of the base material (10) is heated to a temperature of 130~200°C.

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15. (Previously Presented) The method of claim 1 wherein the thermal transfer printing sheet is a gold or silver thermal transfer printing sheet.